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Contract NAS 2-7698

MONTHLY PROGRESS REPORT NO. 31

December 1975

Fault Tectonics and Earthquake Hazards in the Peninsular Ranges, Southern California, EREP Investigation 463

NASA-Lyndon B. Johnson Space Center
Technical Support Procurement Branch
Houston, Texas 77058

Attention: Mrs. Ruth Elder, Mail Stop BB631 (B9)

Dear Mrs. Elder:

California Earth Science Corporation (CalESCO) is pleased to submit its 31st Monthly Progress Report on the application of Skylab imagery to analysis of fault tectonics and earthquake hazards in the Peninsular Ranges, Southern California, under NASA Contract No. NAS 2-7698.

Summary Outlook

All of the proposed research has been accomplished and the final report is in preparation. The details of the makeup of the final report are described in our letter to the technical monitor dated October 15, 1975.

Significant Progress

1. Part IV of the final report "Faults on Skylab imagery of the Salton Trough area, southern California" was completed and an advance copy was sent to the technical monitor on December 17, 1975.
2. Work was continued on reports describing our analysis of S192 images and the enhancement characteristics of pseudocolor transformations, and on modifications to the draft final report on the Peninsular Ranges and the Garlock fault suggested by the Technical Officer. These reports are essentially complete except for preparation of illustrations and final editing.

Expected Accomplishments, Current Month

Work will continue on the final report described above.

(E76-16526) FAULT TECTONICS AND EARTHQUAKE
HAZARDS IN THE PENINSULAR RANGES, SOUTHERN
CALIFORNIA Monthly Progress Report, Dec.
1975 (California Earth Science Corp., Santa
Monica.) 2 p HC \$3.50
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